

STATE CORPORATION COMMISSION OF KANSAS OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 4459 name Agate Petroleum, Inc. address 1301 Fourth National Bldg. City/State/Zip Tulsa, OK 74119

Operator Contact Person E. L. Snider Phone 918-585-9016

Contractor: license # 5421 name Sage Drilling Co., Inc.

Wellsite Geologist Ray Palmer Phone 316-722-9090

PURCHASER none

Designate Type of Completion [X] New Well [] Re-Entry [] Workover

- Oil, Gas, Dry, SWD, Inj, Other, Temp Abd, Delayed Comp.

If OWWO: old well info as follows: Operator, Well Name, Comp. Date, Old Total Depth

WELL HISTORY

Drilling Method: [X] Mud Rotary [] Air Rotary [] Cable 10-30-85 11-9-85 11-10-85 Spud Date Date Reached TD Completion Date

Total Depth 4670 N/A PBTD

Amount of Surface Pipe Set and Cemented at 403 feet

Multiple Stage Cementing Collar Used? [] Yes [X] No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated from feet depth to w/ SX cmt

API NO. 15-135-22,845-0000

County Ness

NW SE NW Sec 31 Twp 16S Rge 26 East West

3630 Ft North from Southeast Corner of Section 3630 Ft West from Southeast Corner of Section (Note: locate well in section plat below)

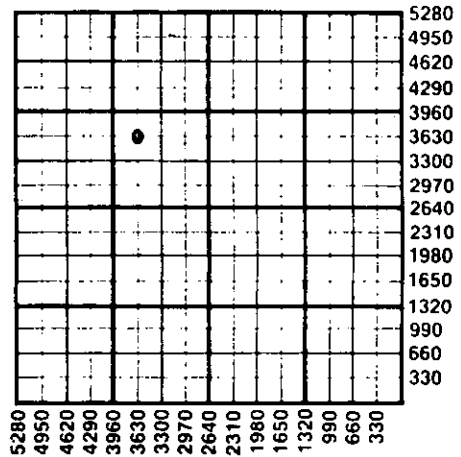
Lease Name ARNOLD Well# 2-31

Field Name Little Blue

Producing Formation none

Elevation: Ground 2665 KB 2672

Irregular Section Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

[] Groundwater Ft North From Southeast Corner and (Well) Ft West From Southeast Corner of Sec Twp Rge East West

[] Surface Water Ft North From Southeast Corner and (Stream, Pond etc.) Ft West From Southeast Corner Sec Twp Rge East West

[X] Other (explain) Hauled water (purchased from city, R.W.D.#)

Disposition of Produced Water: [] Disposal [] Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form.

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Charles Casey Coats, P.E. Title Agent for Operator Date 11-11-85

Subscribed and sworn to before me this 11 day of November 19 85

Notary Public Sandra Kay Woosypiti Date Commission Expires June 5, 1988

K.C.C. OFFICE USE ONLY F [] Letter of Confidentiality Attached C [X] Wireline Log Received C [X] Drillers Timelog Received Distribution [X] KCC [X] KGS [] SWD/Rep [] Plug [] NGPA [] Other (Specify)



RECEIVED STATE CORPORATION COMMISSION Form ACO-1R (7-84) MMISSION

NOV 12 1985 11-12-85 CONSERVATION DIVISION

NOV 21 1985 CONSERVATION DIVISION

Sec. 31 Twp. 16 Rge. 26W

Operator Name Agate Petroleum, Inc. Lease Name ARNOLD Well# 2-31 SEC 31 TWP. 16S RGE. 26 East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1: 4050-4064'/30-30-30-30
 Rec. 15' oil specked mud (1-2% oil)
 IHP: 1968#; IFP: 55-33#; ISIP: 132#; FFP: 55-33#;
 FSIP: 111#; FHP: 1946#

DST #2: 4178-4208'/30-60-60-60
 Rec. 720' GIP, 20' free oil, 100' OCM (38% oil),
 120' MyW (37000 Cl)
 IHP: 2057#; IFP: 66-77#; ISIP: 899#; FFP: 111-133#;
 FSIP: 876#; FHP: 2002#

DST #3: 4219-4250'/30-60-60-60
 Rec. 465' VS10&GCW (27000 Cl) (1% oil, 6% gas,
 70% water, 23% mud)
 IHP: 2034#; IFP: 66-99#; ISIP: 431#; FFP: 165-210#;
 FSIP: 397#; FHP: 2001#

Name	Top	Bottom
Stone Corral	2071	2108
Heebner	3924	3932
Toronto	3949	3967
Lansing	3967	4298
Marmaton	4324	4474
Ft. Scott	4474	4500
Cherokee	4500	4556
Mississippi	4556	4574
Mississippi Lime	4574	4599
TD	4670	

CASING RECORD new used

Report all strings set - conductor, surface, intermediate, production, etc.

Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface.....	12 1/2"	8-5/8"	23	403	Light Class A	100 150	2% CC+1/4#/s Floccule 2% CC+1/4#/s Floccule

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth

TUBING RECORD

size set at packer at Liner Run Yes No

Date of First Production Producing method flowing pumping gas lift Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented sold used on lease

open hole perforation other (specify)

Dually Completed.
 Commingled

APR 19 1968
 STATE OF ARIZONA
 DEPARTMENT OF MINES